

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **07155974 A**(43) Date of publication of application: **20.06.95**

(51) Int. Cl. **B23K 26/00**
// B23K103:04
B23K103:16

(21) Application number: **05341479**(22) Date of filing: **09.12.93**(71) Applicant: **HORIE METAL CO LTD**(72) Inventor: **TSUTSUI TOYOJI**
FURUTA YASUSHI(54) **METHOD FOR LASER BEAM WELDING OF PLATED STEEL SHEET**

(57) Abstract:

PURPOSE: To provide a method for the laser beam welding where the welding can be executed while keeping excellent surface shape of the molten pool without requiring a jig of high precision in a welding method to execute the lap joint welding of a pair of plated steel sheet by the laser beam.

CONSTITUTION: A projecting part 14 is formed at least in a first plated steel sheet. Then, a top part 15 of the projecting part 14 is abutted on the surface of a second plated steel sheet 20. The first plated steel sheet 10 is irradiated with the laser beam LA from the opposite side of the top part 15 of the projecting part 14. This constitution provides the lap joint welding of the first and second plated steel sheets 10, 20 while excellent surface shape of the molten pool is kept.

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